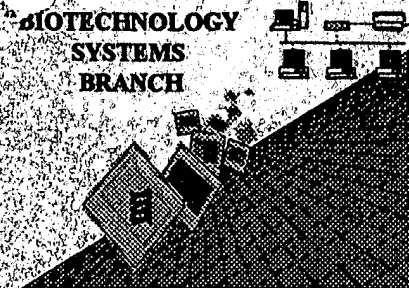


h/a

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number

09/346,470

Art Unit / Team No.

1643

Date Processed by STIC

9/24/99

RECEIVED
MAR 22 2000
TC 1600 MAIL ROOM

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

PAGE: 1

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/346,470

DATE: 09/24/1999
TIME: 14:44:50

Input Set: I346470.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

1 <110> HILL, RONALD JOHNSTON
2 HANNAN, GARRY NOEL
3 <120> NOVEL GENETIC SEQUENCES ENCODING STEROID AND JUVENILE HORMONE
4 RECEPTOR POLYPEPTIDES AND INSECTICIDAL MODALITIES THEREFOR II
5 <130> 53-99sequence listing
6 <140> US/09/346,470
7 <141> 1999-07-01
8 <150> PCT/AU/00033
9 <151> 1999-01-15
10 <150> AU PP1536
11 <151> 1998-01-15
12 <160> 20
13 <170> PatentIn Ver. 2.0

pyr 1,346
RECEIVED
MAR 22 2000
TC 1600 MAIL ROOM

ERRORED SEQUENCES FOLLOW

E--> 14 <210> 1
15 <211> 2274 2273 slurs (p. 3)
16 <212> DNA
17 <213> Lucilia cuprina
18 <220>
19 <221> CDS
20 <222> (1)..(2271)
21 <400> 1
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24 1 5 10 15
25 atg tta gaa gaa tcc tcc tca gaa gta acc tcc tcc tca aat ggt ctg 96
26 Met Leu Glu Glu Ser Ser Ser Glu Val Thr Ser Ser Ser Asn Gly Leu
27 20 25 30
28 gtc ttg tca tct gat ata aat atg tca cct tcc tct ttg gat tca ccc 144
29 Val Leu Ser Ser Asp Ile Asn Met Ser Pro Ser Ser Leu Asp Ser Pro
30 35 40 45
31 gtt tat ggc gat cag gaa atg tgg ctg tgt aac gat tca gct tca tat 192
32 Val Tyr Gly Asp Gln Glu Met Trp Leu Cys Asn Asp Ser Ala Ser Tyr
33 50 55 60
34 aat aac agt cat cag cat agt gtt ata act tct ctg cag ggc tgc acc 240
35 Asn Asn Ser His Gln His Ser Val Ile Thr Ser Leu Gln Gly Cys Thr
36 65 70 75 80
37 tca tca ttg ccg gcc caa aca acc att ata cct ctg tca gct tta ccc 288
38 Ser Ser Leu Pro Ala Gln Thr Thr Ile Ile Pro Leu Ser Ala Leu Pro
39 85 90 95

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/346,470

DATE: 09/24/1999
TIME: 14:44:50

Input Set: I346470.RAW

40	aat tcc aat aat gcc tcc ctg aat aat caa aat caa aat tat caa aat	336
41	Asn Ser Asn Asn Ala Ser Leu Asn Asn Gln Asn Gln Asn Tyr Gln Asn	
42	100 105 110	
43	ggt aat tcc atg aat aca aat tta tcg gtt aac aca aat aac agt gtt	384
44	Gly Asn Ser Met Asn Thr Asn Leu Ser Val Asn Thr Asn Asn Ser Val	
45	115 120 125	
46	gga gga ggt gga ggt ggt ggt gta ccc ggt atg act tca ctc aat	432
47	Gly Gly Gly Gly Gly Gly Gly Gly Val Pro Gly Met Thr Ser Leu Asn	
48	130 135 140	
49	ggt ctg ggt ggt ggt ggt ggc agt caa gtg aat aat cac aat cac agc	480
50	Gly Leu Gly Gly Gly Gly Gly Gly Ser Gln Val Asn Asn His Asn His Ser	
51	145 150 155 160	
52	cac aat cat tta cac cac aac agc aac agt aat cac agt aat agc agt	528
53	His Asn His Leu His His Asn Ser Asn Ser Asn His Ser Asn Ser Ser	
54	165 170 175	
55	tcc cac cac aca aat ggc cac atg ggt att ggc ggc ggt ggt ggt ggc	576
56	Ser His His Thr Asn Gly His Met Gly Ile Gly Gly Gly Gly Gly Gly	
57	180 185 190	
58	tta tcg gtc aat att aat ggt ccc aat atc gtt agc aat gcc caa cag	624
59	Leu Ser Val Asn Ile Asn Gly Pro Asn Ile Val Ser Asn Ala Gln Gln	
60	195 200 205	
61	tta aac tcg tta cag gcc tca caa aat ggc caa gtt att cat gcc aat	672
62	Leu Asn Ser Leu Gln Ala Ser Gln Asn Gly Gln Val Ile His Ala Asn	
63	210 215 220	
64	att ggc att cac agt atc atc agt aat gga tta aat cat cat cac cat	720
65	Ile Gly Ile His Ser Ile Ile Ser Asn Gly Leu Asn His His His His	
66	225 230 235 240	
67	cat cat atg aat aac agt agt atg atg cat cat aca ccc aga tct gaa	768
68	His His Met Asn Asn Ser Ser Met Met His His Thr Pro Arg Ser Glu	
69	245 250 255	
70	tca gct aat tcc ata tca tca ggt cgt gat gat ctt tca ccc tcg agc	816
71	Ser Ala Asn Ser Ile Ser Ser Gly Arg Asp Asp Leu Ser Pro Ser Ser	
72	260 265 270	
73	agt ctt aat ggc ttc tca aca agc gat gct agt gat gtt aag aaa atc	864
74	Ser Leu Asn Gly Phe Ser Thr Ser Asp Ala Ser Asp Val Lys Lys Ile	
75	275 280 285	
76	aaa aaa ggt cct gcg ccc cgt tta caa gag gaa ctg tgt ctg gtg tgt	912
77	Lys Lys Gly Pro Ala Pro Arg Leu Gln Glu Glu Leu Cys Leu Val Cys	
78	290 295 300	
79	ggt gat cgg gcg tcc ggt tat cat tat aac gca ctc acc tgt gaa ggc	960
80	Gly Asp Arg Ala Ser Gly Tyr His Tyr Asn Ala Leu Thr Cys Glu Gly	
81	305 310 315 320	
82	tgt aag ggg ttc ttt cga cgg agt gtt acc aaa aat gcg gtg tat tgt	1008
83	Cys Lys Gly Phe Phe Arg Arg Ser Val Thr Lys Asn Ala Val Tyr Cys	
84	325 330 335	
85	tgt aaa ttt ggt cat gcc tgc gaa atg gac atg tat atg cga cgt aaa	1056
86	Cys Lys Phe Gly His Ala Cys Glu Met Asp Met Tyr Met Arg Arg Lys	
87	340 345 350	
88	tgt cag gaa tgt agg ctg aaa aaa tgt ttg gct gtg ggc atg cgg ccg	1104
89	Cys Gln Glu Cys Arg Leu Lys Lys Cys Leu Ala Val Gly Met Arg Pro	

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/346,470

DATE: 09/24/1999
TIME: 14:44:50

Input Set: I346470.RAW

90		355		360		365			
91	gaa	tgt	gtg	gtg	ccc	gaa	aac	cag	tgt
92	Glu	Cys	Val	Val	Pro	Glu	Asn	Gln	Cys
93		370				375			380
94	aaa	gca	caa	aaa	gag	aag	gat	aaa	ata
95	Lys	Ala	Gln	Lys	Glu	Lys	Asp	Lys	Ile
96		385				390			395
97	gaa	att	aaa	aag	gaa	ata	ctc	gat	tta
98	Glu	Ile	Lys	Lys	Glu	Ile	Leu	Asp	Leu
99				405				410	
100	cat	cca	acg	tgt	ccg	ctg	tta	cct	gaa
101	His	Pro	Thr	Cys	Pro	Leu	Leu	Pro	Glu
102				420				425	
103	gct	cgt	aat	ata	cct	cct	tta	tcg	tac
104	Ala	Arg	Asn	Ile	Pro	Pro	Leu	Ser	Tyr
105				435				440	
106	aaa	tta	ata	tgg	tat	caa	gat	ggc	tac
107	Lys	Leu	Ile	Trp	Tyr	Gln	Asp	Gly	Tyr
108		450				455			460
109	ctc	aaa	cgt	ata	atg	agt	tca	ccc	gat
110	Leu	Lys	Arg	Ile	Met	Ser	Ser	Pro	Asp
111		465				470			475
112	gca	tca	ttt	cgt	cat	ata	aca	gaa	atc
113	Ala	Ser	Phe	Arg	His	Ile	Thr	Glu	Ile
114				485				490	
115	att	gtg	gaa	ttt	gcc	aag	ggg	ttg	cca
116	Ile	Val	Glu	Phe	Ala	Lys	Gly	Leu	Pro
117				500				505	
118	gag	gat	caa	ata	aca	cta	tta	aag	gcc
119	Glu	Asp	Gln	Ile	Thr	Leu	Leu	Lys	Ala
120				515				520	
121	ttg	cga	atg	gca	cga	cgt	tac	gat	cac
122	Leu	Arg	Met	Ala	Arg	Arg	Tyr	Asp	His
123		530				535			540
E--> 124	cc	aat	aat	cga	tcg	tat	acg	cgt	gac
125	Ala	Asn	Asn	Arg	Ser	Tyr	Thr	Arg	Asp
126		545				550			555
127	gct	gat	aat	att	gag	gat	ctg	ctg	cat
128	Ala	Asp	Asn	Ile	Glu	Asp	Leu	Leu	His
129				565				570	
130	atg	aaa	gtg	gac	aat	gtc	gaa	tat	gct
131	Met	Lys	Val	Asp	Asn	Val	Glu	Tyr	Ala
132				580				585	
133	ttt	tcc	gat	cgg	ccg	ggg	ctc	gaa	gaa
134	Phe	Ser	Asp	Arg	Pro	Gly	Leu	Glu	Glu
135				595				600	
136	caa	agt	tac	tac	atc	gat	aca	ctc	cgc
137	Gln	Ser	Tyr	Tyr	Ile	Asp	Thr	Leu	Arg
138		610				615			620
139	tgc	ggc	gat	ccc	atg	agt	ctc	gta	ttc

1680/679

1728 numbers off

1776

1824

1872

1920

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/346,470

DATE: 09/24/1999
TIME: 14:44:50

Input Set: I346470.RAW

140 Cys Gly Asp Pro Met Ser Leu Val Phe Phe Ala Lys Leu Leu Ser Ile
141 625 630 635 640
142 cta acc gaa ctg cgt acg ttg ggc aat caa aat gcc gaa atg tgt ttc 1968
143 Leu Thr Glu Leu Arg Thr Leu Gly Asn Gln Asn Ala Glu Met Cys Phe
144 645 650 655
145 tcg ttg aaa ttg aaa aat cgc aaa ctg cca aaa ttc ctc gaa gag atc 2016
146 Ser Leu Lys Leu Lys Asn Arg Lys Leu Pro Lys Phe Leu Glu Glu Ile
147 660 665 670
148 tgg gat gta cat gcc att cca ccc tca gtg cag tca cac ata cag gct 2064
149 Trp Asp Val His Ala Ile Pro Pro Ser Val Gln Ser His Ile Gln Ala
150 675 680 685
151 acc cag gcg gaa aag gcc gcc cag gaa gct cag gca aca aca tcg gcc 2112
152 Thr Gln Ala Glu Lys Ala Ala Gln Glu Ala Gln Ala Thr Thr Ser Ala
153 690 695 700
154 att tca gca gcc gcc acc tca tct tcc tcc ata aat acc tcg atg gca 2160
155 Ile Ser Ala Ala Ala Thr Ser Ser Ser Ser Ile Asn Thr Ser Met Ala
156 705 710 715 720
157 aca tca tcc tca tca tcg tta tcg cca tcg gcg gcc tca aca ccc aat 2208
158 Thr Ser Ser Ser Ser Ser Leu Ser Pro Ser Ala Ala Ser Thr Pro Asn
159 725 730 735
160 ggt ggt gcc gtc gat tat gtt ggc acc gat atg agt atg agt tta gta 2256
161 Gly Gly Ala Val Asp Tyr Val Gly Thr Asp Met Ser Met Ser Leu Val
162 740 745 750
163 caa tcg gat aat gca tag 2274
164 Gln Ser Asp Asn Ala
165 755

number
off
↓

166 <210> 3
167 <211> 1401
168 <212> DNA
169 <213> Lucillia cuprina
170 <220>
171 <221> CDS
172 <222> (1) .. (1401)
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176 1 5 10 15
177 ccg cag gag ata aag cca gac att tca cta ctc aat gaa aat aat acg 96
178 Pro Gln Glu Ile Lys Pro Asp Ile Ser Leu Leu Asn Glu Asn Asn Thr
179 20 25 30
180 agt agt tat tcg ccc aaa cct gga agt cct aat cca ttt gcc atc gga 144
181 Ser Ser Tyr Ser Pro Lys Pro Gly Ser Pro Asn Pro Phe Ala Ile Gly
182 35 40 45
183 ttg cag gca ata aat gca gtc gct gcc gcg aat gcc aat aac caa aat 192
184 Leu Gln Ala Ile Asn Ala Val Ala Ala Asn Ala Asn Asn Gln Asn
185 50 55 60
186 caa atg ttg caa act acg cca cca cag cag cag tat cca cca aat 240
187 Gln Met Leu Gln Thr Thr Pro Pro Gln Gln Gln Tyr Pro Pro Asn
188 65 70 75 80

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/346,470

DATE: 09/24/1999
TIME: 14:44:50

Input Set: I346470.RAW

189	cac ccc ctt agt ggt tct aaa cac ttg tgt tcc att tgt gga gac cgc	288
190	His Pro Leu Ser Gly Ser Lys His Leu Cys Ser Ile Cys Gly Asp Arg	
191	85 90 95	
192	gcc agt gga aaa cat tat ggg gtc tac agt tgt gag ggt tgt aaa ggg	336
193	Ala Ser Gly Lys His Tyr Gly Val Tyr Ser Cys Glu Gly Cys Lys Gly	
194	100 105 110	
195	ttc ttc aaa cgt acc gta cgc aag gac ttg aca tat gct tgt cgt gag	384
196	Phe Phe Lys Arg Thr Val Arg Lys Asp Leu Thr Tyr Ala Cys Arg Glu	
197	115 120 125	
198	gac aga aat tgc att ata gat aaa cga caa aga aat cgt tgc cag tat	432
199	Asp Arg Asn Cys Ile Ile Asp Lys Arg Gln Arg Asn Arg Cys Gln Tyr	
200	130 135 140	
201	tgt cgt tat caa aag tgt tta gct tgt ggc atg aaa cgc gaa gcg gtc	480
202	Cys Arg Tyr Gln Lys Cys Leu Ala Cys Gly Met Lys Arg Glu Ala Val	
203	145 150 155 160	
204	caa gag gaa cga caa cgt ggt act cgt gct gct aac gct aga gct gct	528
205	Gln Glu Glu Arg Gln Arg Gly Thr Arg Ala Ala Asn Ala Arg Ala Ala	
206	165 170 175	
207	ggt gct ggc ggt ggt gga gga ggt ggt ggt ggg gta agc aat gtg gtt	576
208	Gly Ala Gly Gly Gly Gly Gly Gly Gly Gly Gly Val Ser Asn Val Val	
209	180 185 190	
210	ggt gct ggc gga gaa gac ttt aaa ccc agc agt tca tta cgt gat ctc	624
211	Gly Ala Gly Gly Glu Asp Phe Lys Pro Ser Ser Ser Leu Arg Asp Leu	
212	195 200 205	
213	act ata gaa cgc atc att gaa gcc gag caa aag gct gaa tct ttg agc	672
214	Thr Ile Glu Arg Ile Ile Glu Ala Glu Gln Lys Ala Glu Ser Leu Ser	
215	210 215 220	
216	ggt gat aac gtg ttg ccc ttt ttg cgc gtt ggc aac aat tcc atg gta	720
217	Gly Asp Asn Val Leu Pro Phe Leu Arg Val Gly Asn Asn Ser Met Val	
218	225 230 235 240	
219	caa cac gac tac aaa ggc gcg gta tct cat ctc tgc cag atg gtt aac	768
220	Gln His Asp Tyr Lys Gly Ala Val Ser His Leu Cys Gln Met Val Asn	
221	245 250 255	
222	aaa caa ctc tac caa atg gtt gaa tat gca cgt cga aca cca cat ttt	816
223	Lys Gln Leu Tyr Gln Met Val Glu Tyr Ala Arg Arg Thr Pro His Phe	
224	260 265 270	
225	aca cat ttg cag cgt gag gat cag ata cta ttg tta aag gct ggc tgg	864
226	Thr His Leu Gln Arg Glu Asp Gln Ile Leu Leu Leu Lys Ala Gly Trp	
227	275 280 285	
228	aat gaa ctg cta att gca aat gtt gcc tgg tgc agt att gag tct ctg	912
229	Asn Glu Leu Leu Ile Ala Asn Val Ala Trp Cys Ser Ile Glu Ser Leu	
230	290 295 300	
231	gat gcc gaa tat gcc tct cct ggt acg gta cat gac ggt tct ttt ggt	960
232	Asp Ala Glu Tyr Ala Ser Pro Gly Thr Val His Asp Gly Ser Phe Gly	
233	305 310 315 320	
234	cgg cgt tca cca gtg cgt cag ccc caa caa ctc ttc ctt aat cag aat	1008
235	Arg Arg Ser Pro Val Arg Gln Pro Gln Gln Leu Phe Leu Asn Gln Asn	
236	325 330 335	
237	ttc tct tat cat cgc aat agt gct att aag gcc aat gtt gtt tca att	1056
238	Phe Ser Tyr His Arg Asn Ser Ala Ile Lys Ala Asn Val Val Ser Ile	

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/346,470

 DATE: 09/24/1999
 TIME: 14:44:50

Input Set: I346470.RAW

239		340		345		350		
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241	Phe Asp Arg Ile Leu Ser Glu Leu Ser Ile Lys Met Lys Arg Leu Asn							
242		355		360		365		
243	atc gat cgc tcg gag ttg tcg tgt ctg aag gca atc ata ctc ttc aat							1152
244	Ile Asp Arg Ser Glu Leu Ser Cys Leu Lys Ala Ile Ile Leu Phe Asn							
245		370		375		380		
246	cca gac ata cgc ggt ctg aaa tgt cga gcc gac gtc gag gta tgt cgt							1200
247	Pro Asp Ile Arg Gly Leu Lys Cys Arg Ala Asp Val Glu Val Cys Arg							
248		385		390		395		400
249	gaa aaa atc tat gcc tgt ctg gac gaa cac tgc cgc aca gaa cat cca							1248
250	Glu Lys Ile Tyr Ala Cys Leu Asp Glu His Cys Arg Thr Glu His Pro							
251		405		410		415		
252	ggt gat gat ggc cgc ttt gct cag cta cta cta agg ttg ccc gca ttg							1296
253	Gly Asp Asp Gly Arg Phe Ala Gln Leu Leu Leu Arg Leu Pro Ala Leu							
254		420		425		430		
255	cgt tcc atc agt ctc aaa tgt ctc gat cat ttg ttt ttc ttc cgt tta							1344
256	Arg Ser Ile Ser Leu Lys Cys Leu Asp His Leu Phe Phe Phe Arg Leu							
257		435		440		445		
258	ata ggc gaa aga gca ttg gag gaa tta att gct gag caa ttg gaa gct							1392
259	Ile Gly Glu Arg Ala Leu Glu Glu Leu Ile Ala Glu Gln Leu Glu Ala							
260		450		455		460		
261	cct atc tgc							1401
262	Pro Ile Cys							
263	465							

Please review the
 Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
 <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I346470.RAW

Line	? Error/Warning	Original Text
15	E Input 2274, Calc# Bases 2273 differ	<211> 2274
124	E Number of Bases conflict w/ Running Total	cc aat aat cga tcg tat acg cgt gac tct ta
173	E Sequence IDs 1 and 3 differ	<400> 1